SEVENTH APPROXIMATION DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (NOGA, Version 5, 6-30-01)

IDENTIFICATION INFORMATION

Assessment Geologist:	E.A. Johnson				Date:	8/19/2002
Region:North America					Number:	5
Province:	Southwestern Wyomin	ng			Number:	5037
Total Petroleum System: Phosphoria						503701
Assessment Unit:	Sub-Cretaceous Conv	entional Oil and	l Gas		Number:	50370101
Based on Data as of:	NRG 2001 (data curre	nt through 1999), PI/Dwights 2	2001		
Notes from Assessor	NRG Reservoir Lower	48 growth func	tion			
	CHARACTERIST	TICS OF ASSE	SSMENT UNIT	7		
Oil (<20,000 cfg/bo overall) o	<u>r</u> Gas (<u>></u> 20,000 cfg/bo	overall):	Oil			
What is the minimum accumul (the smallest accumulation that		0.5 Ided to reserves	mmboe grow in the next 30			
No. of discovered accumulation	ons exceeding minimum	ı size:	Oil:	11	Gas:	11
Established (>13 accums.)	X Frontier (1-1			ypothetical	l (no accums	
		•				
Median size (grown) of discov	ered oil accumulation (r	mmbo):				
	1st 3rd		2nd 3rd	1.5	3rd 3rd	
Median size (grown) of discov						
	1st 3rd	18.4	2nd 3rd	50.5	3rd 3rd	
Assessment-Unit Probabiliti Attribute	es:		P	rohahility	of occurren	ice (0-1 0)
1. CHARGE: Adequate petrol	leum charge for an und	iscovered accur	_			1.0
2. ROCKS: Adequate reservo						1.0
3. TIMING OF GEOLOGIC EV						1.0
Assessment-Unit GEOLOGI	C Probability (Product	of 1, 2, and 3):			1.0	-
4. ACCESSIBILITY: Adequa	te location to allow expl	loration for an u	ndiscovered a	ccumulatio	on	
<u>></u> minimum size						1.0
No. of Undiscovered Accum	ulations: How many u	ERED ACCUMU Indiscovered ac y of fixed but un	cums. exist tha	_	in. size?:	
Oil Accumulations:	min. no. (>0)	2	median no.	4	max no.	8
Gas Accumulations:	` '	5	median no.	17	max no.	45
Sizes of Undiscovered Accu	Imulations: What are t (variations in the si		•		?:	
Oil in Oil Accumulations (mmb	oo):min. size	0.5	median siz	2	max. size	90
Gas in Gas Accumulations (bo	•	3	median siz	20	max. size	
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AVERAGE RATIOS FOR UNDISCOVERED ACCUMS., TO ASSESS COPRODUCTS

(uncertainty of fixed but unknown values)

(differitality o	i iixca bat arikiiowi	i values)	
Oil Accumulations:	minimum	median	maximum
Gas/oil ratio (cfg/bo)	969	1938	2907
NGL/gas ratio (bngl/mmcfg)	18	36	54
Gas Accumulations:	minimum	median	maximum
Liquids/gas ratio (bliq/mmcfg)	15	30	45
Oil/gas ratio (bo/mmcfg)			
3,11,11,(11,11,11,11,11,11,11,11,11,11,11			
-			
SELECTED ANCILLARY DATA			
(variations in the prope	rties of undiscovere	ed accumulations)	
Oil Accumulations:	minimum	median	maximum
API gravity (degrees)	31	36	55
Sulfur content of oil (%)	0.1	0.45	1.4
Drilling Depth (m)	539	1719	4195
Depth (m) of water (if applicable)			
Gas Accumulations:	minimum	median	maximum
Inert gas content (%)	0.7	1.5	10
CO ₂ content (%)	0.1	5.2	70
Hydrogen-sulfide content (%)	0	0	10
Drilling Depth (m)	921	4562	6100
Depth (m) of water (if applicable)			

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES

Surface Allocations (uncertainty of a fixed value)

1.	Colorado	represents_	19.46	areal % of the total assessment unit		
	in Oil Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne			20		
	Portion of volume % that is offshore (· · · · · · · · · · · · · · · · · · ·		0		
	s in Gas Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne			15		
F	Portion of volume % that is offshore (0-100%)		0		
2.	Utah	represents_	2.19	areal % of the total asses	sment unit	
F	in Oil Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne	· · · · · · · · · · · · · · · · · · ·				
F	Portion of volume % that is offshore (0-100%)		0		
	s in Gas Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
V	olume % in parcel (areal % x richne	ss factor):		4		
F	Portion of volume % that is offshore (0-100%)		0		
3.	Wyoming	represents_	78.35	areal % of the total asses	sment unit	
	in Oil Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne			79		
	Portion of volume % that is offshore (0		
	s in Gas Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne			<u>81</u>		
	Portion of volume % that is offshore (0		
4.		represents_		areal % of the total asses	sment unit	
F	in Oil Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
V	/olume % in parcel (areal % x richne	ss factor):				
F	Portion of volume % that is offshore (0-100%)				
F	s in Gas Fields: Richness factor (unitless multiplier):		minimum	median	maximum	
	olume % in parcel (areal % x richne			<u> </u>		
F	Portion of volume % that is offshore (0-100%)		<u> </u>		

5represents_		areal % of the total assessmi	ent unit
Oil in Oil Fields: Richness factor (unitless multiplier):	minimum	median	maximum
Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)			
Gas in Gas Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	_	maximum
6represents _		areal % of the total assessm	ent unit
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
7represents_		areal % of the total assessm	ent unit
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	_	maximum
Values of in marcal (areal of a richman factor).	minimum		maximum
8represents_		areal % of the total assessm	ent unit
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
Gas in Gas Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median 	maximum

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES

Surface Allocations (uncertainty of a fixed value)

1. Federal Lands	represents	63.37	_areal % of the total assessment	t unit
Oil in Oil Fields: Richness factor (unitless multiplier):.		minimum	median	maximum
Volume % in parcel (areal % x richne			- 63.37	
Portion of volume % that is offshore			0	
	` _			
Gas in Gas Fields: Richness factor (unitless multiplier):.		minimum	median	maximum
Volume % in parcel (areal % x richne			63.37	
Portion of volume % that is offshore	(0-100%)		0	
2. Private Lands	represents	32.02	areal % of the total assessment	t unit
Oil in Oil Fields:		minimum	median	maximum
Richness factor (unitless multiplier):.				
Volume % in parcel (areal % x richne				
Portion of volume % that is offshore	(0-100%)		0	
Gas in Gas Fields: Richness factor (unitless multiplier):.		minimum	median	maximum
Volume % in parcel (areal % x richne			32.02	
Portion of volume % that is offshore			0	
	_			
3. Tribal Lands	represents		areal % of the total assessment	t unit
	represents_		areal % of the total assessment	t unit maximum
Oil in Oil Fields:		minimum	 median	
Oil in Oil Fields: Richness factor (unitless multiplier):.	·	minimum	median	
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richne	ess factor):	minimum	median	
Oil in Oil Fields: Richness factor (unitless multiplier):.	ess factor):	minimum	median	
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore	ess factor):	minimum	median	
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richne	ess factor): (0-100%)	minimum	median ————————————————————————————————————	maximum
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields:	ess factor): (0-100%)	minimum	median ————————————————————————————————————	maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):.	ess factor): (0-100%)	minimum	median ————————————————————————————————————	maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore	ess factor): (0-100%)	minimum	median	maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner	ess factor): (0-100%)	minimum	median ————————————————————————————————————	maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands	ess factor): (0-100%)	minimum minimum 0.37	median median median median median median median median	maximum maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields:	ess factor): (0-100%) ess factor): (0-100%)	minimum	median	maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):.	ess factor): (0-100%) ess factor): (0-100%) represents	minimum minimum 0.37	median median median median areal % of the total assessment median	maximum maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner % that is offshore)	ess factor): (0-100%) ess factor): (0-100%) represents ess factor):	minimum minimum 0.37	median median median areal % of the total assessment median 0.37	maximum maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):.	ess factor): (0-100%) ess factor): (0-100%) represents ess factor):	minimum minimum 0.37	median median median median areal % of the total assessment median	maximum maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore	ess factor): (0-100%) ess factor): (0-100%) represents ess factor):	minimum 0.37 minimum	median median median areal % of the total assessment median 0.37 0	maximum maximum t unit maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields:	ess factor): (0-100%) ess factor): (0-100%) represents ess factor): (0-100%)	minimum minimum 0.37	median median median areal % of the total assessment median 0.37	maximum maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Richness factor (unitless multiplier):.	ess factor): (0-100%) ess factor): (0-100%) represents represents ess factor): (0-100%)	minimum 0.37 minimum	median median median areal % of the total assessment median 0.37 0 median	maximum maximum t unit maximum
Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore 4. Other Lands Oil in Oil Fields: Richness factor (unitless multiplier):. Volume % in parcel (areal % x richner Portion of volume % that is offshore Gas in Gas Fields:	ess factor): (0-100%) ess factor): (0-100%) represents ess factor): (0-100%)	minimum 0.37 minimum	median median median areal % of the total assessment median 0.37 0	maximum maximum t unit maximum

5. CO State Lands repr	resents_	1.25	_areal % of the total asse	essment unit
Oil in Oil Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor				
Portion of volume % that is offshore (0-100%)	_		0	
Gas in Gas Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor			1.25	
Portion of volume % that is offshore (0-100%)			0	
6. UT State Lands repr	resents_	0.16	_areal % of the total asse	essment unit
Oil in Oil Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor			0.16	
Portion of volume % that is offshore (0-100%)			0	
Gas in Gas Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor			0.16	
Portion of volume % that is offshore (0-100%)	(o)		0	
7. WY State Lands repr	resents_	2.83	_areal % of the total asse	essment unit
Oil in Oil Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor	or):		2.83	
Portion of volume % that is offshore (0-100%)	6) <u> </u>		0	
Gas in Gas Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor	or):		2.83	
Portion of volume % that is offshore (0-100%)	(6) <u> </u>		0	
8repi	resents_		_areal % of the total asse	essment unit
Oil in Oil Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor				
Portion of volume % that is offshore (0-100%)				
Gas in Gas Fields:		minimum	median	maximum
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor	or):			
Portion of volume % that is offshore (0-100%)	6) <u> </u>			

9represents_		areal % of the total assess	ment unit
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor):	minimum	median	maximum
Portion of volume % that is offshore (0-100%)		<u> </u>	
Gas in Gas Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor):	minimum		maximum
Portion of volume % that is offshore (0-100%)		<u> </u>	
10represents_		areal % of the total assess	ment unit
Oil in Oil Fields: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor):	minimum		maximum
Dantian of values 0/ that is offered (0.4000/)			
Gas in Gas Fields: Richness factor (unitless multiplier):	minimum	median	maximum
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)		<u> </u>	
11represents_		areal % of the total assess	ment unit
Oil in Oil Fields:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	-
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)		-	
Gas in Gas Fields:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	-
		<u> </u>	
Portion of volume % that is offshore (0-100%)		_	
12represents		areal % of the total assess	ment unit
Oil in Oil Fields:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	
Volume % in parcel (areal % x richness factor):		<u> </u>	
Portion of volume % that is offshore (0-100%)		_	
Gas in Gas Fields:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS Surface Allocations (uncertainty of a fixed value)

Bureau of Land Management (BLM) represents	52.15	areal % of the total assessment unit		
Oil in Oil Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):		<u> </u>		
Volume % in parcel (areal % x richness factor):		52.15		
Portion of volume % that is offshore (0-100%)				
Gas in Gas Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):		52.15		
Portion of volume % that is offshore (0-100%)				
2. BLM Wilderness Areas (BLMW) represents		areal % of the total assessment un	it	
Oil in Oil Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):				
Portion of volume % that is offshore (0-100%)				
Gas in Gas Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):		<u> </u>		
Portion of volume % that is offshore (0-100%)				
3. BLM Roadless Areas (BLMR) represents		areal % of the total assessment un	it	
Oil in Oil Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):		<u></u>		
Volume % in parcel (areal % x richness factor):		<u> </u>		
Portion of volume % that is offshore (0-100%)				
Gas in Gas Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):				
Portion of volume % that is offshore (0-100%)				
4. National Park Service (NPS) represents	0.16	areal % of the total assessment un	iit	
Oil in Oil Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):		 0.16		
Portion of volume % that is offshore (0-100%)		0		
Gas in Gas Accumulations:	minimum	median	maximum	
Richness factor (unitless multiplier):				
Volume % in parcel (areal % x richness factor):		0.16		
Portion of volume % that is offshore (0-100%)		0		

5. NPS Wilderness Areas (NPSW) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier):	minimum	median	maximum
Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)		<u> </u>	
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	<u> </u>	maximum
6. NPS Protected Withdrawals (NPSP) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median 	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
7. US Forest Service (USFS) represents	9.16	areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	0.16	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	9.16 0	maximum
8. <u>USFS Wilderness Areas (USFSW)</u> represents_	0.52	areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum

9. USFS Roadless Areas (USFSR) represents		areal % of the total assessme	nt unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
10. USFS Protected Withdrawals (USFSF represents		areal % of the total assessme	nt unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
11. US Fish and Wildlife Service (USFWS represents	0.08	areal % of the total assessme	nt unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	0.00	maximum
12. USFWS Wilderness Areas (USFWSW represents		areal % of the total assessme	nt unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum

13. USFWS Protected Withdrawais (USF) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	<u> </u>	maximum
14. Wilderness Study Areas (WS) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
15. Department of Energy (DOE) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
\\alima 0\\ in marcal \(\alpha \tau a \left 0\\ \\ \\ \\\\\\\\\\\\\\\\\\\\\\\\\\\	minimum		maximum
16. Department of Defense (DOD) represents		areal % of the total assessment	unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum

17. Bureau of Reclamation (BOR) represents	1.31	areal % of the total assessment i	unit
Oil in Oil Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):		1 21	
Portion of volume % that is offshore (0-100%)		0	
Gas in Gas Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	
Volume % in parcel (areal % x richness factor):		1.31	
Portion of volume % that is offshore (0-100%)		0	
18. Tennessee Valley Authority (TVA) represents		areal % of the total assessment of	unit
Oil in Oil Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			
Gas in Gas Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			
19. Other Federal represents		areal % of the total assessment of	unit
Oil in Oil Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			
Gas in Gas Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)		<u> </u>	
20represents _		areal % of the total assessment of	unit
Oil in Oil Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):			
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			
Gas in Gas Accumulations:	minimum	median	maximum
Richness factor (unitless multiplier):		<u> </u>	
Volume % in parcel (areal % x richness factor):			
Portion of volume % that is offshore (0-100%)			

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS

Surface Allocations (uncertainty of a fixed value)

1. Bear Lake (BRLK)	represents_	2.73	areal % of the total assessment unit		
Oil in Oil Accumulations:		minimum	median	maximum	
Richness factor (unitless multiplier):					
Volume % in parcel (areal % x richnes	ss factor):		2.73		
Portion of volume % that is offshore (0	D-100%)		0		
Gas in Gas Accumulations: Richness factor (unitless multiplier):		minimum	median	maximum	
Volume % in parcel (areal % x richnes			2.73		
Portion of volume % that is offshore (0					
Tortion of volume 70 that is offshore (t					
Central Basin and Hills (CNBH)	represents_	4.40	_areal % of the total assessment u	ınit	
Oil in Oil Accumulations:		minimum	median	maximum	
Richness factor (unitless multiplier):			_		
Volume % in parcel (areal % x richnes			4.40		
Portion of volume % that is offshore (0	D-100%)		0		
Gas in Gas Accumulations: Richness factor (unitless multiplier):		minimum	median	maximum	
Volume % in parcel (areal % x richnes			4.40		
Portion of volume % that is offshore (0					
3. Greater Green River Basin (GGRV) Oil in Oil Accumulations:	represents	69.79	_areal % of the total assessment ι median	ınit maximum	
Richness factor (unitless multiplier):			median	maximam	
Volume % in parcel (areal % x richnes					
Portion of volume % that is offshore (0	· -		0		
Totalen er veranne ye anak ie enemere (<u> </u>		
Gas in Gas Accumulations: Richness factor (unitless multiplier):		minimum	median	maximum	
Volume % in parcel (areal % x richnes	ss factor):		69.79		
Portion of volume % that is offshore (0	D-100%)		0		
4. North-Central Highlands (NCHL)	represents_	8.53	_areal % of the total assessment u	ınit	
Oil in Oil Accumulations: Richness factor (unitless multiplier):		minimum	median	maximum	
Volume % in parcel (areal % x richnes			 8.53		
Portion of volume % that is offshore (0					
Gas in Gas Accumulations: Richness factor (unitless multiplier):		minimum	median	maximum	
Volume % in parcel (areal % x richnes			8.53		
Portion of volume % that is offshore (0			0		
		-			

5.	Overthrust Mountains (OVMT) represe	nts7.99	areal % of the total assessment unit		
Oil	in Oil Accumulations:	minimum	median	maximum	
F	Richness factor (unitless multiplier):				
V	olume % in parcel (areal % x richness factor):		7.99		
F	Portion of volume % that is offshore (0-100%)		0		
	s in Gas Accumulations: Richness factor (unitless multiplier):	minimum	median	maximum	
	olume % in parcel (areal % x richness factor):		7.99		
	Portion of volume % that is offshore (0-100%)		0		
6.	Tavaputs Plateau (TPPT) represe	nts 0.35	_areal % of the total assessment u	nit	
	in Oil Accumulations:	minimum	median	maximum	
	olume % in parcel (areal % x richness factor):			_	
	Portion of volume % that is offshore (0-100%)		0		
	s in Gas Accumulations: Richness factor (unitless multiplier):	minimum	median	maximum	
	olume % in parcel (areal % x richness factor):		0.35		
	Portion of volume % that is offshore (0-100%)		0		
	Uinta Mountains (UTMT) represe	minimum	areal % of the total assessment unmedian	nit maximum	
	Richness factor (unitless multiplier):				
	Volume % in parcel (areal % x richness factor):				
۲	Portion of volume % that is offshore (0-100%)				
	s in Gas Accumulations: Richness factor (unitless multiplier):	minimum	median	maximum	
V	olume % in parcel (areal % x richness factor):		6.12		
F	Portion of volume % that is offshore (0-100%)		0		
8.	Wind River Mountain (WRMT) represe	nts 0.09	_areal % of the total assessment u	nit	
_	in Oil Accumulations: Richness factor (unitless multiplier):	minimum	median	maximum	
	olume % in parcel (areal % x richness factor):		- 0.09		
	Portion of volume % that is offshore (0-100%)		0		
F	s in Gas Accumulations: Richness factor (unitless multiplier):		median	maximum	
	olume % in parcel (areal % x richness factor):				
F	Portion of volume % that is offshore (0-100%)		0		

9represents_		areal % of the total assessm	nent unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier):	minimum		maximum
10represents _		areal % of the total assessm	nent unit
Dortion of values of that is affabase (0.4000/)	minimum		maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
11represents_		areal % of the total assessm	nent unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum		maximum
Volume % in parcel (areal % x richness factor):	minimum		maximum
12represents _		areal % of the total assessm	nent unit
Oil in Oil Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	<u> </u>	maximum
Gas in Gas Accumulations: Richness factor (unitless multiplier): Volume % in parcel (areal % x richness factor): Portion of volume % that is offshore (0-100%)	minimum	median	maximum

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES Subsurface Allocations (uncertainty of a fixed value)

ва	sed on Data as of:	-				
1	All Federal Subsurface	renresents		areal % of	the total asses	sment unit
٠.	7 III 1 Gadrar Gabbarrace				ine total asses	onioni anii
<u>Oil</u> F	in Oil Accumulations: Richness factor (unitless multiplier):		minimum		median	maximum
١	/olume % in parcel (areal % x richness	· to oto ~/·				
	Portion of volume % that is offshore (0-			 '		
	ns in Gas Accumulations: Richness factor (unitless multiplier):		minimum		median	maximum
١	/olume % in parcel (areal % x richness					
F	Portion of volume % that is offshore (0-					
2.	Other Subsurface	_represents_		_areal % of	the total asses	sment unit
Oil	in Oil Accumulations:		minimum		median	maximum
F	Richness factor (unitless multiplier):					
	/olume % in parcel (areal % x richness	s factor):				
F	Portion of volume % that is offshore (0-	-100%)		_		
Ga	s in Gas Accumulations:		minimum		median	maximum
F	Richness factor (unitless multiplier):	·· <u>·</u> ···· _				
	/olume % in parcel (areal % x richness	_				
F	Portion of volume % that is offshore (0-	-100%)				